

IN THE CLAIMS

1 (1) Claim 1: (currently amended) A display apparatus comprising:

2 a cathode having an electron emissive material;

3 [[a grid electrode]] a plurality of grid portions positioned in proximity to the cathode, the
4 [[grid electrode having a]] plurality of grid portions each defining a single pixel site independent
5 of other pixel sites; and

6 control circuitry for controlling each of the plurality of grid portions to independently
7 cause an emission of electrons from the electron emissive material at each pixel site, wherein the
8 plurality of grid portions are each electrically isolated from each other.

(2) Claim 2: (cancelled)

1 (3) Claim 3: (previously presented) The display apparatus as recited in claim 1, wherein the
2 plurality of grid portions are substantially coplanar with each other.

1 (4) Claim 4: (original) The display apparatus as recited in claim 1, wherein the plurality of
2 grid portions further comprises a first grid portion, a second grid portion, and a third grid portion,
3 and wherein the control circuitry is operable for activating the first, second, and third grid
4 portions individually from each other.

1 (5) Claim 5: (original) The display apparatus as recited in claim 4, wherein the plurality of
2 grid portions are substantially coplanar with each other.

1 (6) Claim 6: (currently amended) The display apparatus as recited in claim 4, [[wherein the
2 grid electrode comprises a grid substrate,]] wherein the first, second, and third grid portions are
3 mounted on a [[the]] grid substrate.

1 (7) Claim 7: (currently amended) A display apparatus comprising:

2 a cathode having an electron emissive material;

3 [[a grid electrode]] a plurality of grid portions positioned in proximity to the cathode, the
4 [[grid electrode having a]] plurality of grid portions each defining a single pixel site; and
5 control circuitry for controlling each of the plurality of grid portions to independently
6 cause an emission of electrons from the electron emissive material at each pixel site, wherein the
7 plurality of grid portions further comprises a first grid portion, a second grid portion, and a third
8 grid portion, and wherein the control circuitry is operable for activating the first, second, and
9 third grid portions individually from each other, [[wherein the grid electrode comprises a grid
10 substrate, wherein the first, second, and third grid portions are mounted on the grid substrate,]]
11 wherein the first, second, and third grid portions are electrically isolated from each other.

1 (8) Claim 8: (currently amended) A display apparatus comprising:
2 a cathode having an electron emissive material deposited thereon;
3 [[a grid electrode having]] first, second, and third grid portions each defining a single
4 pixel site; and
5 a first control circuit for controlling activation of the first grid portion so as to control an
6 emission of electrons from the electron emissive material proximate to the first grid portion;
7 a second control circuit for controlling activation of the second grid portion so as to
8 control an emission of electrons from the electron emissive material proximate to the second grid
9 portion;
10 a third control circuit for controlling activation of the third grid portion so as to control an
11 emission of electrons from the electron emissive material proximate to the third grid portion,
12 wherein the first, second, and third control circuits operate to control the first, second,
13 and third grid portions independently from each other, wherein the first, second, and third grid
14 portions are electrically isolated from each other.

1 (9) Claim 9: (original) The display apparatus as recited in claim 8, wherein the first, second,
2 and third control circuits are operated in a matrix-addressable manner.

1 (10) Claim 10: (original) The display apparatus as recited in claim 8, wherein the first,
2 second, and third grid portions are substantially coplanar.

(11) Claim 11: (cancelled)

1 (12) Claim 12: (original) The display apparatus as recited in claim 8, wherein the electron
2 emissive material is a cold cathode.

1 (13) Claim 13: (original) The display apparatus as recited in claim 8, wherein the electron
2 emissive material is a hot cathode.

1 (14) Claim 14: (original) The display apparatus as recited in claim 8, wherein the first control
2 circuit operates to apply a voltage to the first grid portion to cause an emission of electrons from
3 the electron emissive material in proximity to the first grid portion, wherein the second control
4 circuit operates to apply a voltage to the second grid portion to cause an emission of electrons
5 from the electron emissive material in proximity to the second grid portion, wherein the third
6 control circuit operates to apply a voltage to the third grid portion to cause an emission of
7 electrons from the electron emissive material in proximity to the third grid portion.

1 (15) Claim 15: (previously presented) A display apparatus comprising:
2 a cathode; and
3 a grid electrode having a plurality of individually controllable grid portions each for
4 controlling emissions of electrons from a single pixel of the cathode.

1 (16) Claim 16: (original) The display apparatus as recited in claim 15, wherein the grid
2 portions are controllable in a matrix-addressable manner.

1 (17) Claim 17: (original) The display apparatus as recited in claim 15, wherein the grid
2 portions are coplanar.

1 (18) Claim 18: (original) The display apparatus as recited in claim 16, wherein the grid
2 portions are actively addressed.

1 (19) Claim 19: (previously presented) A display apparatus comprising:
2 a cathode having an electron emissive material;
3 a grid electrode positioned in proximity to the cathode, the grid electrode having N grid
4 portions, each of the N grid portions defining a single N pixel element; and
5 control circuitry for independently controlling each of the N grid portions to cause an
6 emission of electrons from the electron emissive material at each of the N pixel elements.

1 (20) Claim 20: (previously presented) The display apparatus as recited in claim 19, wherein
2 the control circuitry at each of the N pixel elements is configured to cause an emission from only
3 that particular pixel element in the display.

1 (21) Claim 21: (previously presented) A display apparatus comprising:
2 a cathode having an electron emissive material;
3 a grid electrode positioned in proximity to the cathode, the grid electrode having a
4 plurality of grid portions each defining a single pixel site; and
5 control circuitry for controlling each of the plurality of grid portions to independently
6 cause an emission of electrons from the electron emissive material at each pixel site.